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**From:** Glenn, Barbara [Glenn.Barbara@epa.gov]  
**Sent:** 10/26/2015 6:12:44 PM  
**To:** Cooper, Glinda [Cooper.Glinda@epa.gov]; Salazar, Keith [Salazar.Keith@epa.gov]  
**CC:** Kraft, Andrew [Kraft.Andrew@epa.gov]  
**Subject:** FW: FYI draft formaldehyde hazard section on allergy-related/ asthma outcomes  
**Attachments:** NCEE comments on IRIS Formaldehyde draft.docx; Formaldehyde\_Allergy\_related\_Asthma\_draft090315 -dan.docx

Hi Glinda and Keith,

The economists from the Office of Policy, National Center for Environmental Economics, have reviewed our allergy and other respiratory effects section in the formaldehyde assessment and I am forwarding their comments. I haven't gone through them yet myself and we may want to discuss them.

-Barbara

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**From:** Axelrad, Daniel  
**Sent:** Thursday, October 22, 2015 5:56 PM  
**To:** Glenn, Barbara <Glenn.Barbara@epa.gov>; Dockins, Chris <Dockins.Chris@epa.gov>  
**Cc:** Kraft, Andrew <Kraft.Andrew@epa.gov>; Sonawane, Bob <Sonawane.Bob@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Griffiths, Charles <Griffiths.Charles@epa.gov>  
**Subject:** RE: FYI draft formaldehyde hazard section on allergy-related/ asthma outcomes

Hi Barbara —

Thanks very much for the opportunity to review...and for your patience as we worked through other things before we could get to this.

The attached "NCEE comments" file has comments prepared separately by Charles Griffiths, Chris Dockins and myself. The other file has some additional comments from me inserted into your draft.

We're happy to discuss our comments if you'd like. Feel free to contact any one of us.

Thanks!

--Dan (for Chris and Charles)

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**From:** Glenn, Barbara  
**Sent:** Thursday, September 03, 2015 10:31 AM  
**To:** Axelrad, Daniel <Axelrad.Daniel@epa.gov>; Dockins, Chris <Dockins.Chris@epa.gov>  
**Cc:** Kraft, Andrew <Kraft.Andrew@epa.gov>; Sonawane, Bob <Sonawane.Bob@epa.gov>; Bussard, David <Bussard.David@epa.gov>  
**Subject:** FYI draft formaldehyde hazard section on allergy-related/ asthma outcomes

Hello Dan and Chris,

I am the chemical manager, along with Andrew Kraft, of the formaldehyde assessment. David Bussard suggested that I send to you our draft hazard section on allergy-related conditions and asthma from our health assessment on formaldehyde. We are interested to know what you think about its usefulness to your work conducting cost-benefit. The evaluation of these outcomes was guided by an expert consultation we conducted to understand the specificity, sensitivity and validity of the measures used in the epidemiology studies and how well they characterize the

conditions the papers were focused on. If you have comments and suggestions regarding confusing language or additional information that would be helpful, please let us know.

Regards, Barbara Glenn